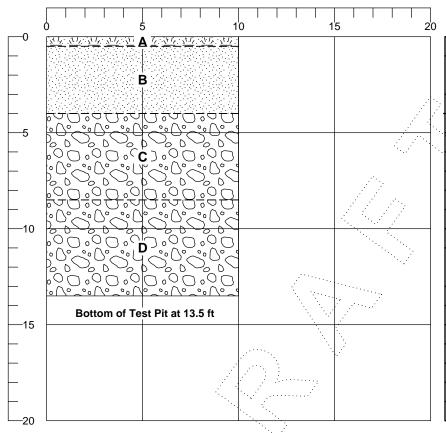
APPENDIX A TEST PIT & BORING LOGS



NamePotlatch/Avery Landing/IdahoJob_073-93312-03LocationT45N, R5E Section 16ElevationDatum_NAVD 88Temp80 °F Weather SunnyDate_08-27-09Logged by F. IshiharaEquipmentCAT 315CContractor_Able Clean-upOperator_C. Smith



SAMPLES						
NO.	ı	DEPTH (ft)		MOISTU (%)	JRE	
1		2.5				
2		5.0				
3		7.5				
4		10.0				
5		12.5				
	-	TEST R	ESUL	_TS		
DEPT	Ή	WD	DD		ASSING 200	

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

- **A** 0.0 0.5 ft: Compact, brown, silty SAND, some organics, dry. (SM) (TOPSQIL)
- **B** 0.5 4.0 ft: Compact, dark grey, angular, gravelly SAND, little silt and cobbles, dry. (SP) (FILL)*

*Black stained soil encountered at approximately 2' bgs.

- C 4.0 8.5 ft: Compact, brown, sandy, angular GRAVEL, little silt and cobbles, damp to moist. (GP) (FILL)
- D 8.5 13.5 ft: Compact, dark grey to black, rounded GRAVEL and COBBLES, trace silt and sand, damp. (GP) (ALLUVIUM)

TIME	DEPTH TO W/L (FT)	NOTES
10:10	13.5	

SPECIAL NOTES:

Groundwater encountered at approximately 13.5 ft bgs.

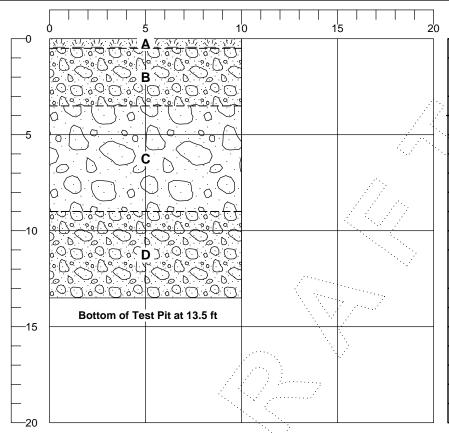
Petroleum-like odor begins at approximately 10' bgs.

Tree stump at bottom of test pit.

All excavated soil was placed back in test pit.



NamePotlatch/Avery Landing/IdahoJob _073-93312-03LocationT45N, R5E Section 16ElevationDatum _NAVD 88Temp80 °F Weather SunnyDate _08-27-09Logged by _F. IshiharaEquipmentCAT 315CContractor _Able Clean-upOperator _C. Smith



SAMPLES						
NO.	D	EPTH (ft)	M	OISTURE (%)		
1		2.5				
2		5.0				
3		8.0				
4	1	0.0				
5	1	12.5				
6	1	13.0				
	TEST RESULTS					

TEST RESULTS							
DEPTH	WD	DD	% PASSING #200				
·							

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

- **A** 0.0 0.5 ft: Compact, brown, silty SAND, some organics, dry. (SM) (TOPSQIL)
- **B** 0.5 3.5 ft: Compact, dark brown, angular, gravelly SAND, some cobbles, trace silt and debris (including beer cans), dry. (GP) (FILL)
- **C** 3.5 9.0 ft: Compact, brown, angular GRAVEL, some sand and cobbles, trace silt, moist. (GP) (FILL)
- **D** 9.0 13.5 ft: Compact, brown, sandy, angular GRAVEL, some angular cobbles, moist. (GP) (FILL)

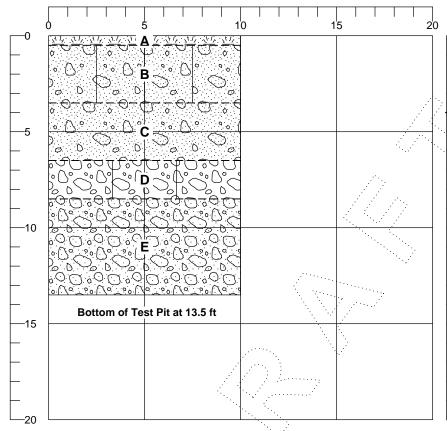
TIME	DEPTH TO W/L (FT)	NOTES
12:20	13.5	

SPECIAL NOTES:

Groundwater encountered at approximately 13.5 ft bgs.

No visibly impacted media.





SAMPLES						
NO.	DEPTH (ft)			M	OISTURE (%)	
1		2.5				
2		5.0				
3		7.5	╛			
4		11.0				
5	13.5					
			╛			
	-	TEST R	E	SUL1	S	
DEPT	DEPTH V			DD	% PASSING #200	
			L			
			L			
			L			

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

- **A** 0.0 0.5 ft: Compact, brown, silty SAND, some organics, dry. (SM) (TOPSQIL)
- **B** 0.5 3.5 ft: Compact, dark grey, silty SAND, some angular gravel, cobbles and organic material, damp. (SM) (FILL)
- **C** 3.5 6.5 ft: Compact, black, silty SAND, some wood chips, trace gravel, moist. (SP) (FILL)
- **D** 6.5 8.5 ft: Compact, dark brown, sandy, rounded GRAVEL, some silt, moist to wet. (GP-GM) (ALLUVIUM)
- **E** 8.5 13.5 ft: Compact, brown, sandy, rounded GRAVEL, some silt and cobbles, moist to wet. (GP) (ALLUVIUM)

TIME	DEPTH TO W/L (FT)	NOTES
15:07	13.5	

SPECIAL NOTES:

Groundwater encountered at approximately 13.5 ft bgs.

Faint oil-like odor at approximately 11' bgs. Oil-like staining at approximately 13' bgs.

Petroleum-like sheen and droplets of oil-like product observed on water table.



Name_Potlatch/Avery Landing/IdahoJob_073-93312-03Location_T45N, R5E Section 16ElevationDatum_NAVD 88Temp_80_°F Weather_SunnyDate_08-27-09Logged by F. IshiharaEquipment_CAT 315CContractor_Able Clean-upOperator_C. Smith

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	00.00.00.00.00.00.00.00.00.00.00.00.00.		
_ 5			
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
_ 10	Bottom of Test Pit at 8.0 ft		
-			
		,/*** 	· · · · · · · · · · · · · · · · · · ·
_ 15			
-			

	SAMPLES							
	NO.	I	DEPTH (ft)		М	OISTURE (%)		
:]	1		2.5					
	2		5.0					
	3		8.0					
		•	TEST R	E	SULT	ſS		
	DEPT	DEPTH W			DD	% PASSING #200		
				Г				
				Г				
				Г				
				Γ				
				Г				
				Γ				
				Γ				

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

A 0.0 - 0.5 ft: Compact, brown, silty SAND, some gravel and organics, dry. (SM) (FILL)

B 0.5 - 6.0 ft: Compact, brown, sandy angular to rounded GRAVEL and COBBLES, trace silt, dry. (GP)

(FILL)

C 6.0 - 8.0 ft: Compact, grey, sandy GRAVEL and

COBBLES, moist to wet. (GP) (ALLUVIUM)

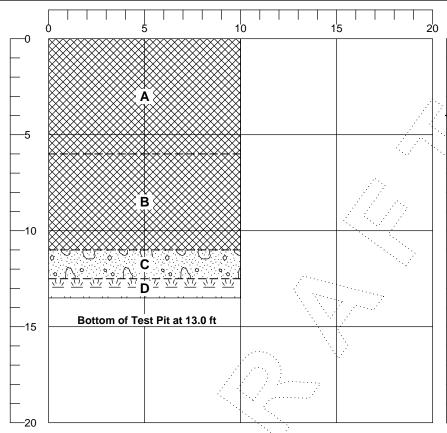
TIME	DEPTH TO W/L (FT)	NOTES
16:20	8.0	

SPECIAL NOTES:

Groundwater encountered at approximately 8 ft bgs.

No impacted media observed.





SAMPLES						
NO.	DEPTH (ft)	MOISTURE (%)				
1	2.5					
2	5.0					
3	7.5					
4	10.5					
5	11.0					
6	13.0					
TEST RESULTS						

TEST RESULTS								
DEPTH	WD	DD	% PASSING #200					

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

A 0.0 - 6.0 ft: Compact, brown, angular GRAVEL and COBBLES, little sand and derbris (chunks of concrete), trace silt, damp. (GP) (FILL)

B 6.0 - 11.0 ft: Loose, black WOOD CHIPS, some gravel and cobbles, damp. (WOOD DEBRIS)

C 11.0 - 12.5 ft: Loose, grey SAND and rounded GRAVEL, trace silt, moist. (SP)

D 12.5 - 13.5 ft: Loose, black WOOD CHIPS, damp. (WOOD DEBRIS)

Test pit re-excavated approximately 40' east. Logs were encountered again at the new location.

TIME	DEPTH TO W/L (FT)	NOTES
09:30	11.0	

SPECIAL NOTES:

Groundwater encountered at approximately 11 ft bgs.

No impacted media enountered.

Bucket refusal at approximately 13 ft bgs on large pieces of timber.



_		
Name Potlatch/Avery Landing/Idaho		Job 073-93312-03
Location T45N, R5E Section 16	Elevation	Datum NAVD 88
Temp 80 °F Weather Sunny	Date 08-28-09	Logged by F. Ishihara
Equipment CAT 315C	Contractor Able Clean-up	Operator C. Smith

	0 5	10	0 1	5 2	0				
	000000000000000000000000000000000000000	0000] [SAM	PLES	
		000				NO.	DEPTH	М	OISTURE
_							(ft)	4	(%)
_		7007						+	
 5	000000000000000000000000000000000000000	2000				٠.		+	
_		ا ۲۰۰۰						+	
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		000						1	
— —10		0.00							
	0 0 0 0 0 0 0 0 0 0 0						ŢEST R	ESUL [*]	rs
	Bottom of Test Pit at 1	1.0 ft				DEPTI	н wd	DD	% PASSING #200
_				Transport			_		#200
-							_		
 15			<u>``.</u>	<u></u>					
					l				
20									

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

A 0.0 - 11.0 ft: Loose, brown, sandy GRAVEL, little cobbles and organics (including wood chips and 30"diameter logs), dry to moist. (GP) (FILL)

TIME	W/L (FT)	NOTES

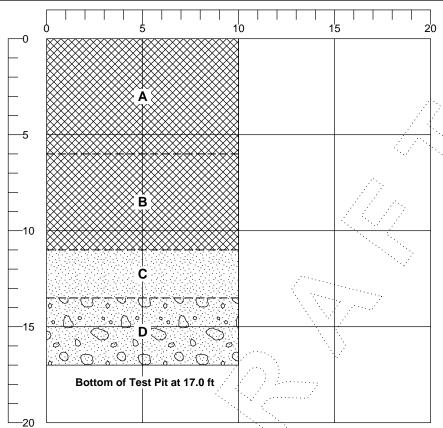
SPECIAL NOTES:

No groundwater encountered.

DEDTH TO

Bucket refusal at approximately 11 ft bgs on large pieces of timber.





	SAMPLES						
NO.	DEPTH (ft)		М	OISTURE (%)			
1		2.5					
2		5.0					
3	7.5						
4	10.0						
5		12.5					
6		15.0					
7	17.0						
	TEST RESULTS						
DEPTH		WD		DD	% PASSING		

DEPTH	WD	DD	% PASSING #200

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

- A 0.0 6.0 ft: Compact, brown, angular GRAVEL, some cobbles, trace sand, dry to damp. (GP) (FILL)
- **B** 6.0 11.0 ft: Loose, black WOOD CHIPS, little gravel and cobbles, damp. (WOOD DEBRIS)
- C 11.0 13.5 ft: Loose, brown SAND, little organics, moist. (SP)
- **D** 13.5 17.0 ft: Loose, dark brown SAND, little rounded gravel, moist to wet. (SP) (ALLUVIUM)

TIME	DEPTH TO W/L (FT)	NOTES
	17.0	

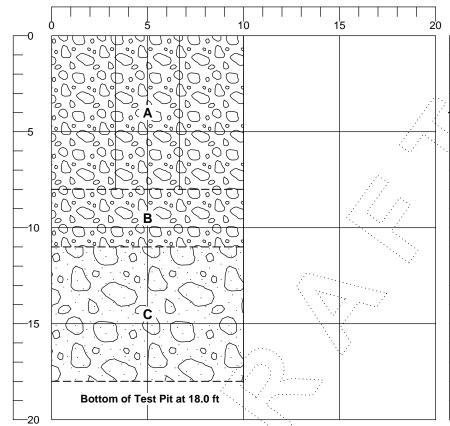
SPECIAL NOTES:

Groundwater encountered at approximately 17 ft bgs.

Fuel-like odor encountered at approximately 8' bgs, increasing in intensity with depth.

Oily product globules encountered at approximately 17' bgs.





	SAMPLES					
NO.	DEPTH (ft)	MOISTURE (%)				
1	2.5					
2	5.0					
3	7.5					
4	10.0					
5	12.5					
6	18.0					
	TEST RE	SULTS				

	<u>iesi r</u>	ESULI	S
DEPTH	WD	DD	% PASSING #200

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

A 0.0 - 8.0 ft: Compact, brown, angular GRAVEL, some sand, silt, cobbles, and boulders, dry. (GM) (FILL)

B 8.0 - 11.0 ft: Compact, brown, angular GRAVEL and COBBLES, little boulders, dry. (GP) (FILL)

C 11.0 - 18.0 ft: Compact, grey SAND and rounded GRAVEL, trace silt and cobbles, moist. (GP) (ALLUVIUM)

TIME	DEPTH TO W/L (FT)	NOTES
14:00	18.0	

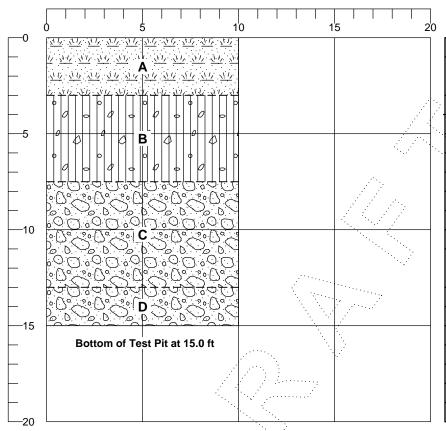
SPECIAL NOTES:

Groundwater encountered at approximately 18 ft bgs.

No impacted media observed.



NamePotlatch/Avery Landing/IdahoJob _073-93312-03LocationT45N, R5E Section 16ElevationDatum _NAVD 88Temp80 °F Weather SunnyDate _08-28-09Logged by _F. IshiharaEquipmentCAT 315CContractor _Able Clean-upOperator _C. Smith



	SAMPLES					
NO.	[DEPTH (ft)		M	OISTURE (%)	
1		2.5				
2		5.0				
3		7.5				
4	10.0					
5	12.5					
6	14.0					
7	15.0					
TEST RESULTS						
DEPT	Ή	WD		DD	% PASSING #200	

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

- **A** 0.0 3.0 ft: Compact, brown, silty SAND, some organics, little angular gravel, dry. (SM) (TOPSOIL)
- **B** 3.0 7.5 ft: Loose, brown to black ORGANICS and WOOD CHIPS, little angular gravel, damp. (WOOD DEBRIS)
- C 7.5 13.0 ft: Loose, dark brown, sandy, angular to rounded GRAVEL, trace silt and brick fragments, moist. (GP)
- **D** 13.0 15.0 ft: Loose, grey, sandy, rounded GRAVEL, trace silt, moist to wet. (GP) (ALLUVIUM)

TIME	DEPTH TO W/L (FT)	NOTES
15:00	14.0	

SPECIAL NOTES:

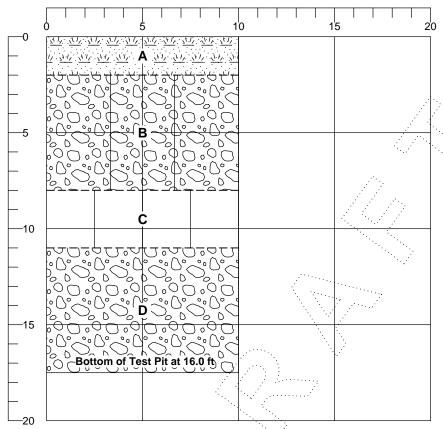
Groundwater encountered at approximately 14 ft bgs.

Impacted, stained soil observed from approximately 3' bgs to water table.

Strong petroleum-like odor below 13' bgs.

Petroleum-like globules of material floating on water table at approximately 14' bgs.





SAMPLES					
NO.	I		M	OISTURE (%)	
1		1.0			
2		3.5			
3		7.5			
4					
5					
6					
7					
TEST RESULTS					rs
DEPT	Н	WD	DE)	% PASSING #200

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

A 0.0 - 2.0 ft: Compact, brown, silty SAND, some organics, trace angular gravel, dry. (SM) (TOPSOIL)

B 2.0 - 8.0 ft: Compact, brown, silty, angular GRAVEL, little sand, damp. (GM) (FILL)*

*Black wedge of contaminated soil at approximately 4 feet.

C 8.0 - 11.0 ft: Loose, brown SILT, some sand, damp. (ML)

D 11.0 - 17.5 ft: Loose, grey, rounded GRAVEL, some sand increasing with depth, damp to wet. (GP) (ALLUVIUM)*

* Soil is oil coated, increasing with depth.

TIME	DEPTH TO W/L (FT)	NOTES
	17.5	

SPECIAL NOTES:

Groundwater encountered at approximately 15 ft bgs.

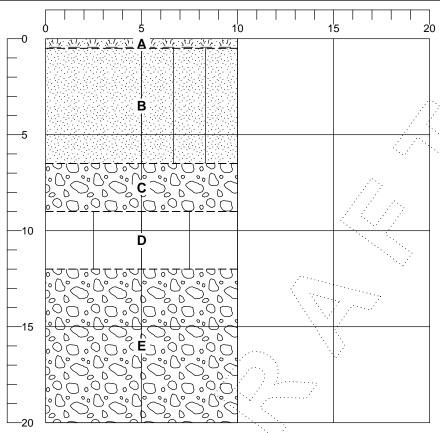
Strong petroleum-like odor on samples beginning at approximately 10 ft bgs.

Oil coated soil encountered at 14', increasing in amount of oily product with depth.

Approximately 3" diameter metal pipe encountered at approximately 2'.



NamePotlatch/Avery Landing/IdahoJob _073-93312-03LocationT45N, R5E Section 15ElevationDatum _NAVD 88Temp80 °F Weather SunnyDate _08-25-09Logged by _F. IshiharaEquipmentCAT 315CContractor Able Clean-upOperator _C. Smith



	SAMPLES						
NO.	ו	OEPTH (ft)		М	OISTURE (%)		
1	2.5						
2	5.0						
3		8.5					
4		10.0					
5		12.5					
6		15.0					
TEST RESULTS							
DEPT	DEPTH			DD	% PASSING		

DEPTH WD DD % PASSING #200

Bottom of Test Pit at 20.0 ft

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

- **A** 0.0 0.5 ft: Compact, brown, silty SAND, some angular gravel and organics, dry. (SM) (FILL)
- **B** 0.5 6.5 ft: Compact, grey, SAND, some angular gravel and silt, dry. (SP-SM) (FILL)
- **C** 6.5 9.0 ft: Compact, brown, angular GRAVEL, some sand, little silt, moist. (GP) (FILL)
- **D** 9.0 12.0 ft: Loose, brown SILT, moist. (ML)
- **E** 12.0 20.0 ft: Loose, grey, rounded GRAVEL, some sand, wet. (GP) (ALLUVIUM)*

*Soil coloring appeared to indicate petroleum staining.

TIME	W/L (FT)	NOTES
	19.0	

SPECIAL NOTES:

Groundwater encountered at approximately 19 ft bgs.

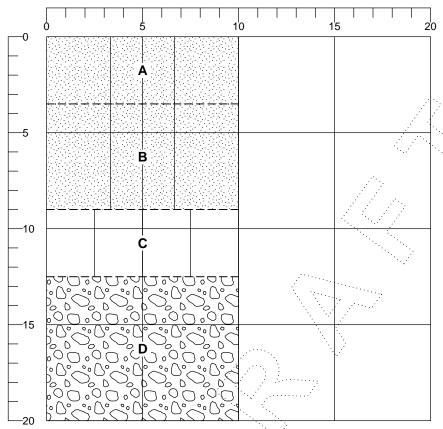
Wedge of black stained soil at 1.5-2'bgs.

Strong petroleum-like odor on samples below 8.5 ft bgs.

Approximately 12" diameter pipe encountered at approximately 6.5'.



NamePotlatch/Avery Landing/IdahoJob _073-93312-03Location _T45N, R5E Section 15ElevationDatum _NAVD 88Temp _80 _°F Weather _SunnyDate _08-25-09Logged by _F. IshiharaEquipment _CAT 315CContractor _Able Clean-upOperator _C. Smith



	SAMPLES					
NO.	ı	DEPTH (ft)			OISTURE (%)	
1		2.5				
2		5.0				
3		7.5				
4		10.5				
5		13.0				
6		14.5				
7	17.5					
TEST RESULTS						
DEPT	Н	WD		DD	% PASSING #200	

Bottom of Test Pit at 20.0 ft

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

- **A** 0.0 3.5 ft: Compact, grey, silty SAND, some angular gravel, dry. (SM) (FILL)
- **B** 3.5 9.0 ft: Compact, dark brown to black, silty SAND, some angular gravel, dry. (SM) (FILL)*

*Soil appeared stained.

- C 9.0 12.5 ft: Loose, brown to black SILT, moist. (ML)
- **D** 12.5 20.0 ft: Loose, grey, rounded GRAVEL, some sand, wet. (GP) (ALLUVIUM)*

*Soil color appeared stained.

TIME	DEPTH TO W/L (FT)	NOTES
	18.0	

SPECIAL NOTES:

Groundwater encountered at approximately 18 ft bgs.

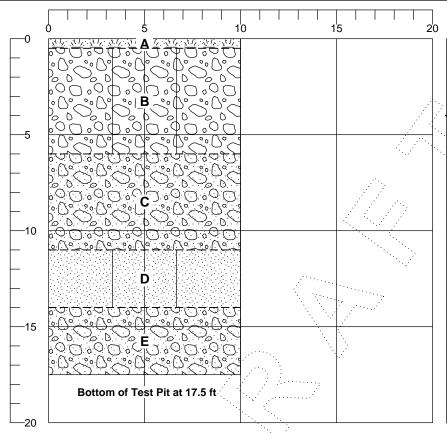
Soil appeared impacted from 3' bgs to bottom of test pit.

Strong petroleum-like odor on samples below 10.5 ft bgs.

Gravel appeared saturated with an oily product.



NamePotlatch/Avery Landing/IdahoJob _073-93312-03LocationT45N, R5E Section 16ElevationDatum _NAVD 88Temp80 °F Weather SunnyDate _08-26-09Logged by _F. IshiharaEquipmentCAT 315CContractor _Able Clean-upOperator _C. Smith



SAMPLES					
NO.	DEPTH (ft)				OISTURE (%)
1		2.5			
2		5.0			
3		7.5			
4		10.0			
5	12.5				
6		13.0			
7		15.0			
8	-	TEESUT R	E	SUL1	s
DEPT	ГН	WD		DD	% PASSING #200
			Ι -		

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

- **A** 0.0 0.5 ft: Compact, brown, silty SAND, some angular gravel and organics, dry. (SM) (TOPSOIL)
- **B** 0.5 6.0 ft: Compact, grey, angular GRAVEL, some sand and silt, dry. (GP-GM) (FILL)
- **C** 6.0 11.0 ft: Compact, brown, angular to rounded GRAVEL, some sand, trace silt, moist. (GP)
- **D** 11.0 14.0 ft: Loose, brown to grey, silty SAND, little rounded gravel, moist. (SM)
- **E** 14.0 17.5 ft: Loose, grey to black, sandy, rounded GRAVEL, wet. (GP) (ALLUVUM)

DEPTH TO W/L (FT)	NOTES
16.0	
	W/L (FT)

SPECIAL NOTES:

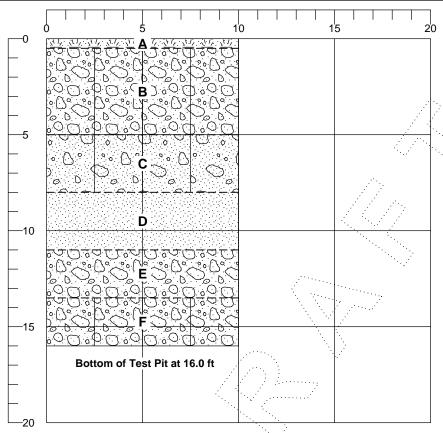
Groundwater encountered at approximately 16 ft bgs.

Oil-like odor beginning at approximately 7.5' bgs.

Clay pipe encountered at approximately 8 ft bgs.

Soil appeared impacted below 12' bgs.





	SAMPLES					
NO.	1	DEPTH (ft)			OISTURE (%)	
1		2.5				
2		5.0				
3		7.5				
4		10.0				
5		12.5				
6		15.0				
7		17.5				
8	-	TZESOT R	ESU	<u>L1</u>	rs	
DEPT	ТН	WD	DD		% PASSING #200	
		·	·			
		·				

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

- **A** 0.0 0.5 ft: Compact, brown, silty SAND, some gravel and organics, dry. (SM) (FILL)
- **B** 0.5 5.0 ft: Compact, grey, silty, angular to rounded GRAVEL, some sand, dry to damp. (GM) (FILL)
- **C** 5.0 8.0 ft: Compact, black, silty SAND, little angular gravel and wood debris, damp. (SM) (FILL)
- **D** 8.0 11.0 ft: Compact, brown SAND, trace silt, damp. (SP)
- **E** 11.0 13.5 ft: Loose, brown, angular GRAVEL, some sand, moist. (GP) (FILL)
- F 13.5 16.0 ft: Compact, black and brown, silty, rounded GRAVEL, some sand, wet. (GM) (ALLUVIUM)

TIME	DEPTH TO W/L (FT)	NOTES

SPECIAL NOTES:

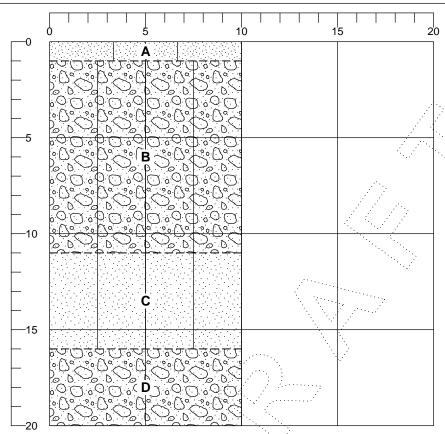
No groundwater encountered.

Approximately 3" diameter PVC pipe encountered at approximately 7'.

Tree trunks, railroad ties, and wood beams encountered at approximately 10 ft bgs.



NamePotlatch/Avery Landing/IdahoJob_073-93312-03LocationT45N, R5E Section 16ElevationDatum_NAVD 88Temp80 °F Weather SunnyDate_08-26-09Logged by F. IshiharaEquipmentCAT 315CContractor_Able Clean-upOperator_C. Smith



	SAMPLES					
NO.		DEPTH (ft)		M	OISTURE (%)	
1		2.5				
2	5.0					
3	7.5					
4	10.0					
5	12.5					
6	15.0					
7	17.5					
8 THIST RESULTS						
DEPT	Ή	WD		DD	% PASSING #200	

Bottom of Test Pit at 20.0 ft

LITHOLOGIC DESCRIPTIONS AND EXCAVATION NOTES

- **A** 0.0 1.0 ft: Compact, grey, silty SAND, some gravel, dry. (SM) (TOPSOIL)
- **B** 1.0 11.0 ft: Compact, brown, silty, angular GRAVEL, some sand and trace cobbles, dry. (GM) (FILL)
- C 11.0 16.0 ft: Loose, brown to black, sandy SILT, trace rounded gravel and cobbles, moist. (ML)
- **D** 16.0 20.0 ft: Loose, blue/black, sandy, rounded GRAVEL, trace silt and cobbles, moist. (GP) (ALLUVIUM)

TIME	DEPTH TO W/L (FT)	NOTES
	20.0	

SPECIAL NOTES:

Groundwater encountered at approximately 20 ft bgs.

Impacted material and stained soil beginning at 12' bgs.

Heavy oil staining at approximately 14'bgs.

Oily product appeared very viscous. Some free product visible on cobbles and boulders.

RECORD OF BOREHOLE BH-01 SHEET 1 of 1 PROJECT: Potlatch/Avery Landing/Idaho DRILLING METHOD: HSA PROJECT NUMBER: 073-93312-03 DRILLING DATE: 08-28-09 LOCATION: T45N, R5E Section 15 DRILL RIG: HSA DATUM: NAVD 88 ELEVATION: 2483.27 STATION: N/A INCLINATION: -90 COORDINATES: N: 2,035,323.08 E: 2,607,330.39 SOIL PROFILE SAMPLES PENETRATION RESISTANCE **BORING METHOD** BLOWS / ft ■ DEPTH (ft) GRAPHIC LOG ELEV. 20 30 NOTES REC / ATT NUMBER PID Sheen WATER LEVELS DESCRIPTION Reading WATER CONTENT (PERCENT) DEPTH -oW W_p PPM 40 60 - 0 0.0 - 7.0 Very dense, light brown, angular coarse GRAVEL, some sand, dry. (GP) (FILL) 1 SPT 2.4 Ν 1.5 GP - 5 2476.3 7.0 - 15.0 d Very dense, light brown, fine sandy SILT, some gravel, moist. (ML) 2 SPT 1.5 2.0 HSA - 10 ML * LNAPL observed in soil at 13 ft bgs. - 15 15.0 - 20.0 15.0 Very dense, grey, fine SAND, trace fine gravel, wet. (SP) Υ 3. .ŞPT 1.5 * Small pockets of LNAPL in sample (2cm). * Petroleum-like sheen on water suface. SP 2463.3 - 20 Boring completed at 20.0 ft. 20.0 - 25 BOREHOLE-BB AVERY-POTLACH LOGS.GPJ BRENDA.GDT 1/7/10 - 30 - 35 40 LOGGED: A. Cote 1 in to 5 ft DRILLING CONTRACTOR: Northwest CHECKED: D. Morell Golder DRILLER: B. Johnson DATE:

RECORD OF BOREHOLE BH-02 SHEET 1 of 1 PROJECT: Potlatch/Avery Landing/Idaho DRILLING METHOD: HSA PROJECT NUMBER: 073-93312-03 DRILLING DATE: 08-28-09 DATUM: NAVD 88 ELEVATION: 2483.3 STATION: N/A INCLINATION: -90 LOCATION: T45N, R5E Section 15 DRILL RIG: HSA COORDINATES: N: 2,035,331.93 E: 2,607,381.18 SOIL PROFILE SAMPLES PENETRATION RESISTANCE **BORING METHOD** BLOWS / ft ■ DEPTH (ft) GRAPHIC LOG ELEV. 20 30 NOTES REC / ATT NUMBER PID Sheen WATER LEVELS DESCRIPTION WATER CONTENT (PERCENT) Reading DEPTH -oW W_p PPM 40 60 - 0 0.0 - 6.5 Very dense, light brown, angular coarse GRAVEL, some sand, dry. (GP) (FILL) 1 SPT Ν 1.5 GP - 5 2 SPT 1.5 6.5 6.5 - 7.5 Black, fine SAND, fine some fine gravel. 7.5 - 10.2 Very dense, brown to black streaked, fine GRAVEL, some sand, trace silt, damp. (GP) SP 2475.8 3 SPT 2.8 1.5 GΡ HSA 2473.1 10 10.2 - 15.0 10.2 SPT 1.9 Very dense, brown silty fine GRAVEL, 1.5 some sand, damp. (GM) ₹ - 15 15.0 - 20.0 15.0 Very dense, grey, SAND, some fine silt, trace fine gravel, wet. (SM) Υ .SPT ٠5٠ 21.9 1.5 * Petroleum-like product oozing from sand. SM 2463.3 - 20 Boring completed at 20.0 ft. - 25 BRENDA.GDT - 30 AVERY-POTLACH LOGS.GPJ - 35 BOREHOLE-BB 40 1 in to 5 ft LOGGED: A. Cote DRILLING CONTRACTOR: Northwest CHECKED: D. Morell Golder DRILLER: B. Johnson DATE:

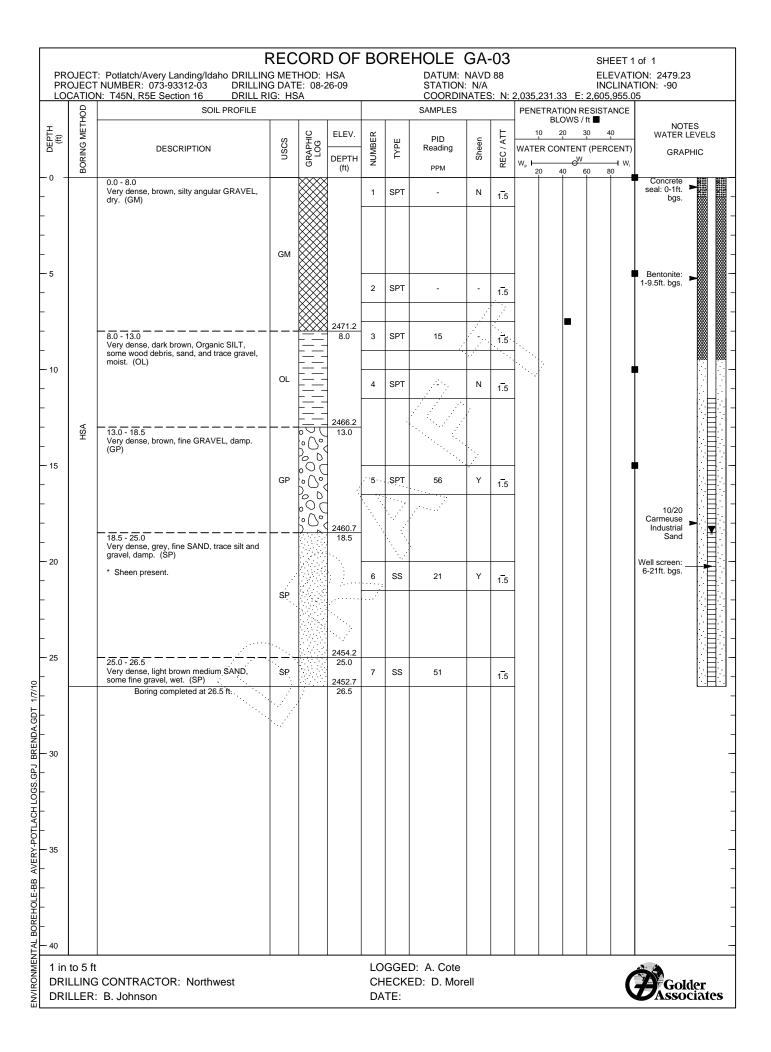
RECORD OF BOREHOLE BH-03 SHEET 1 of 1 PROJECT: Potlatch/Avery Landing/Idaho DRILLING METHOD: HSA PROJECT NUMBER: 073-93312-03 DRILLING DATE: 08-27-09 LOCATION: T45N, R5E Section 15 DRILL RIG: HSA DATUM: NAVD 88 ELEVATION: 2483.53 STATION: N/A INCLINATION: -90 COORDINATES: N: 2,035,344.56 E: 2,607,447.83 SOIL PROFILE SAMPLES PENETRATION RESISTANCE **BORING METHOD** BLOWS / ft ■ DEPTH (ft) GRAPHIC LOG ELEV. 20 30 NOTES REC / ATT NUMBER PID Sheen WATER LEVELS DESCRIPTION WATER CONTENT (PERCENT) Reading DEPTH -oW W_p PPM 40 60 - 0 0.0 - 7.5 Very dense, light brown, angular, coarse GRAVEL, some sand and wood debris, dry. (GP) (FILL) 1 SPT Ν 1.5 * Dark, fine grained material at 6-7 ft bgs. - 5 2 SPT 8.8 Ν 1.5 2476.0 HSA 7.5 - 10.0 Very dense, dark brown, fine SAND, trace 3 SPT Υ. 1.5 gravel, damp. (SP) SP 2473.5 10 10.0 - 11.5 10.0 Very dense, black silty CLAY, moist. (CL-ML) CL-ML SPT Υ 1.5 11.5 *Petroleum-like odor and sheen present. 11.5 - 15.5 Very dense, grey, fine GRAVEL, some sand, moist to wet. (GP) 5 D 00 * Petroleum-like floating on ground water. ₹ 6 D - 15 2468.0 Boring completed at 15.5 ft. 15.5 - 20 - 25 BRENDA.GDT 1/7/10 - 30 BOREHOLE-BB AVERY-POTLACH LOGS.GPJ - 35 40 1 in to 5 ft LOGGED: A. Cote DRILLING CONTRACTOR: Northwest CHECKED: D. Morell Golder DRILLER: B. Johnson DATE:

RECORD OF BOREHOLE BH-04 SHEET 1 of 1 PROJECT: Potlatch/Avery Landing/Idaho DRILLING METHOD: HSA PROJECT NUMBER: 073-93312-03 DRILLING DATE: 08-27-09 LOCATION: T45N, R5E Section 15 DRILL RIG: HSA DATUM: NAVD 88 **ELEVATION: 2481.90** STATION: N/A INCLINATION: -90 COORDINATES: N: 2,035,368.59 E: 2,607,393.18 SOIL PROFILE SAMPLES PENETRATION RESISTANCE **BORING METHOD** BLOWS / ft ■ DEPTH (ft) GRAPHIC LOG ELEV. 20 30 NOTES REC / ATT NUMBER PID Sheen WATER LEVELS DESCRIPTION WATER CONTENT (PERCENT) Reading -oW W_p PPM 40 60 - 0 0.0 - 7.5 Very dense, light brown, angular coarse GRAVEL, some sand, dry. (GP) (FILL) 1 SPT Ν 1.5 - 5 2474.4 HSA 7.5 - 14.5 Very dense, light brown, fine to medium SAND, some coarse gravel (<2"), moist. (SP) 2 SS 196 1.5 0. (* At about 8' dark bluish black staining, O - 10 petroleum-like odor and sheen observed. 0 o. 0 2467.4 Ţ SM 2466.9 14.5 - 15.0 - 15 Very dense, light brown, medium silty SS 250 1.5 SAND, trace fine gravel, wet. (SM) * Petroleum-like odor and sheen present. Boring completed at 15.0 ft. - 20 - 25 BRENDA.GDT 1/7/10 - 30 BOREHOLE-BB AVERY-POTLACH LOGS.GPJ - 35 40 1 in to 5 ft LOGGED: A. Cote DRILLING CONTRACTOR: Northwest CHECKED: D. Morell Golder DRILLER: B. Johnson DATE:

RECORD OF BOREHOLE BH-05 SHEET 1 of 1 PROJECT: Potlatch/Avery Landing/Idaho DRILLING METHOD: HSA PROJECT NUMBER: 073-93312-03 DRILLING DATE: 08-27-09 LOCATION: T45N, R5E Section 15 DRILL RIG: HSA DATUM: NAVD 88 ELEVATION: 2482.62 STATION: N/A INCLINATION: -90 COORDINATES: N: 2,035,382.28 E: 2,607,478.09 SOIL PROFILE SAMPLES PENETRATION RESISTANCE **BORING METHOD** BLOWS / ft ■ DEPTH (ft) GRAPHIC LOG ELEV. 20 30 NOTES REC / ATT NUMBER PID Sheen WATER LEVELS DESCRIPTION WATER CONTENT (PERCENT) Reading DEPTH -oW W_p PPM 40 60 - 0 0.0 - 5.0 Very dense, light brown, angular coarse GRAVEL, some sand, dry. (GP) (FILL) 1 SPT Ν 1.5 GP 2477.6 - 5 Very dense, brown to black, SILT, some gravel, moist. (ML) φ 2 SPT 300 1.5 ML * Petroleum-like odor and sheen present. 2475.1 7.5 - 10.0 Very dense, greyish brown, coarse GRAVEL (<2"), some sand, damp. (GP) $\circ \bigcirc \circ$ HSA ,0 C * Petroleum-like odor present. 2472.6 ¥ 10 10.0 - 15.0 10.0 Very dense, grey, sandy SILT, some fine gravel, moist. (ML) Φ *Petroleum-like odor and sheen present. ML - 15 15.0 - 17.0 15.0 Very dense, grey, fine GRAVEL, some sand, wet. (GP) 3. Υ SS 75 1.5 GΡ 6 D 2465.6 LNAPL observed on some gravel. * Sheen on water suface. Boring completed at 17.0 ft. - 20 - 25 BRENDA.GDT - 30 AVERY-POTLACH LOGS.GPJ - 35 BOREHOLE-BB 40 1 in to 5 ft LOGGED: A. Cote DRILLING CONTRACTOR: Northwest CHECKED: D. Morell Golder DRILLER: B. Johnson DATE:

RECORD OF BOREHOLE GA-01 SHEET 1 of 1 PROJECT: Potlatch/Avery Landing/Idaho DRILLING METHOD: HSA PROJECT NUMBER: 073-93312-03 DRILLING DATE: 08-26-09 LOCATION: T45N, R5E Section 16 DRILL RIG: HSA DATUM: NAVD 88 **ELEVATION: 2478.19** STATION: N/A INCLINATION: -90 COORDINATES: N: 2,035,039.29 E: 2,606,817.87 SOIL PROFILE SAMPLES **BORING METHOD** PENETRATION RESISTANCE BLOWS / ft ■ NOTES WATER LEVELS DEPTH (ft) GRAPHIC LOG ELEV. 20 30 REC / ATT NUMBER PID Sheen DESCRIPTION WATER CONTENT (PERCENT) Reading GRAPHIC -oW W_p PPM 40 60 - 0 Concrete 0.0 - 7.5 seal: 0-1ft. bgs. Very dense, dark brown SAND, some 1 SPT 1.5 angular coarse gravel, dry. (SP) (FILL) Bentonite: 1-4ft. bgs. GΡ - 5 2 SPT 1.5 2470.7 7.5 - 15.0 Very dense, brown, silty SAND, trace SPT 3 .3 1.5 gravel, moist. (SM) - 10 HSA SM Carmeuse Industrial Sand Well screen: 6-21ft. bgs. - 15 15.0 - 21.0 15.0 Very dense, brown, silty medium SAND, moist. (SM) Υ 4 .ŞPT 30.3 1.5 * LNAPL and sheen present. SC - 20 Boring completed at 21.0 ft. 21.0 - 25 BRENDA.GDT 1/7/10 - 30 BOREHOLE-BB AVERY-POTLACH LOGS.GPJ - 35 40 LOGGED: A. Cote 1 in to 5 ft DRILLING CONTRACTOR: Northwest CHECKED: D. Morell Golder DRILLER: B. Johnson DATE:

RECORD OF BOREHOLE GA-02 SHEET 1 of 1 PROJECT: Potlatch/Avery Landing/Idaho DRILLING METHOD: HSA PROJECT NUMBER: 073-93312-03 DRILLING DATE: 08-26-09 DATUM: NAVD 88 ELEVATION: 2472.74 STATION: N/A INCLINATION: -90 LOCATION: T45N, R5E Section 16 DRILL RIG: HSA COORDINATES: N: 2,035,167.80 E: 2,606,235.34 SOIL PROFILE SAMPLES **BORING METHOD** PENETRATION RESISTANCE BLOWS / ft ■ NOTES WATER LEVELS DEPTH (ft) /ATT GRAPHIC LOG ELEV. 20 30 NUMBER PID Sheen DESCRIPTION WATER CONTENT (PERCENT) Reading GRAPHIC REC/ DEPTH -oW W_p (ft) PPM 40 60 - 0 Concrete 0.0 - 1.5 Loose, light brown SILT, little organics (roots), dry (ML) (TOPSOIL) seal: 0-1.1ft. bgs. 1 SPT 1.5 2471.2 1.5 1.5 - 10.0 Very dense, dark brown, silty medium SAND, organics (roots), little angular coarse GRAVEL, some sand, moist. (SM) Bentonite: 1-4.1ft. bgs. - 5 SM 2 SPT 10.1 1.5 2462.7 HSA 10 10.0 - 15.0 10.0 Very dense, brown SAND, little gravel, trace silt, moist. (SP) SPT 1.5 0 10/20 Carmeuse Industrial Sand SP 0 0 Well screen: 6-21ft. bgs. - 15 15.0 - 20.0 15.0 Very dense, grey, silty medium SAND, little gravel, wet. (GP) 21.9 .ŞPT 4. 1.5 SM 2452.7 - 20 Boring completed at 20.0 ft. - 25 BRENDA.GDT - 30 AVERY-POTLACH LOGS.GPJ - 35 BOREHOLE-BB 40 1 in to 5 ft LOGGED: A. Cote DRILLING CONTRACTOR: Northwest CHECKED: D. Morell Golder Associates DRILLER: B. Johnson DATE:



RECORD OF BOREHOLE GA-04 SHEET 1 of 1 PROJECT: Potlatch/Avery Landing/Idaho DRILLING METHOD: HSA PROJECT NUMBER: 073-93312-03 DRILLING DATE: 08-25-09 DATUM: NAVD 88 ELEVATION: 2472.21 STATION: N/A INCLINATION: -90 LOCATION: T45N, R5E Section 16 DRILL RIG: HSA COORDINATES: N: 2,035,201.52 E: 2,606,541.81 SOIL PROFILE SAMPLES **BORING METHOD** PENETRATION RESISTANCE BLOWS / ft ■ NOTES WATER LEVELS DEPTH (ft) GRAPHIC LOG ELEV. 20 30 REC / ATT NUMBER PID Sheen DESCRIPTION WATER CONTENT (PERCENT) Reading GRAPHIC -oW W_p (ft) PPM 40 60 - 0 2471.7 0.5 Concrete 0.0 - 0.5 SM seal: 0-1ft. bgs. Loose, brown, silty SAND, some organics, 1 SS 1.5 moist. (SM) Very dense, brown, sandy GRAVEL, some pieces of concrete, dry. (GM) (FILL) Bentonite: 1-5ft. bgs. - 5 2 SS 1.5 2465.2 7.0 - 21.0 Very dense, brown, sandy medium GRAVEL, rounded, moist. (GP) 000 - 10 HSA 3 SS 1.5 10/20 Carmeuse Industrial Sand Well screen: 6-21ft. bgs. - 15 - 20 000 Boring completed at 21.0 ft. 21.0 - 25 BRENDA.GDT - 30 BOREHOLE-BB AVERY-POTLACH LOGS.GPJ - 35 40 1 in to 5 ft LOGGED: A. Cote DRILLING CONTRACTOR: Northwest CHECKED: D. Morell Golder Associates DRILLER: B. Johnson DATE: